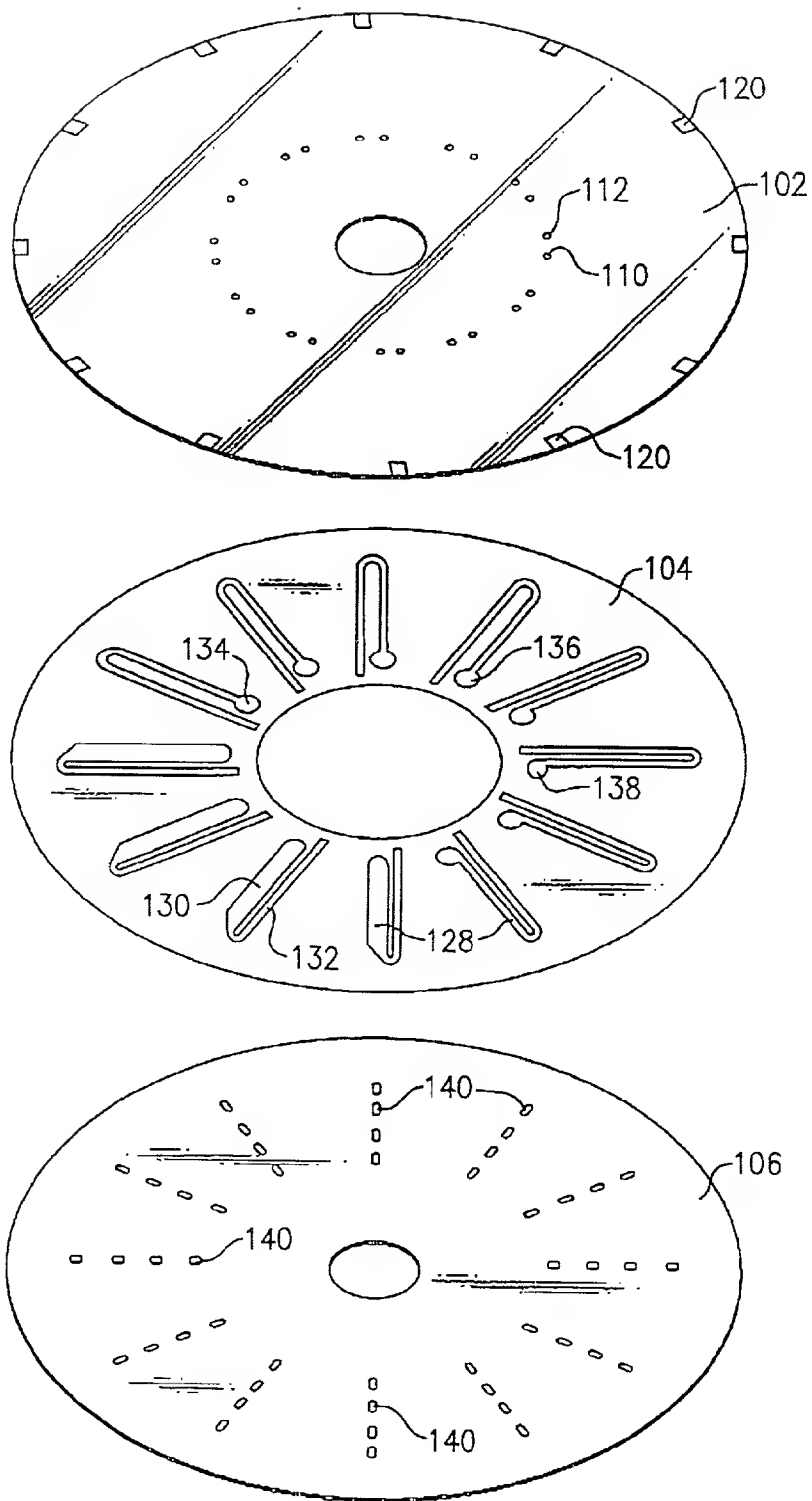
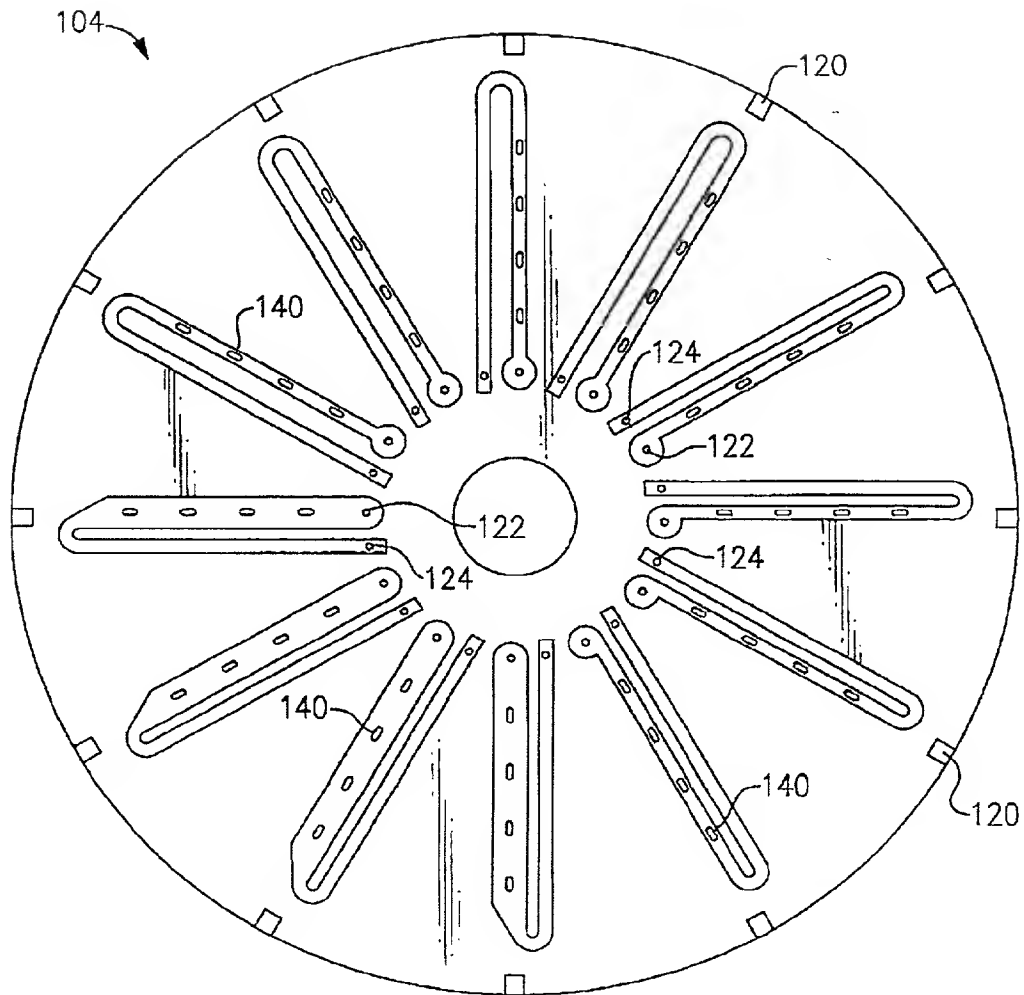


FIG. 1

**FIG.2A**



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**FIG. 2B**

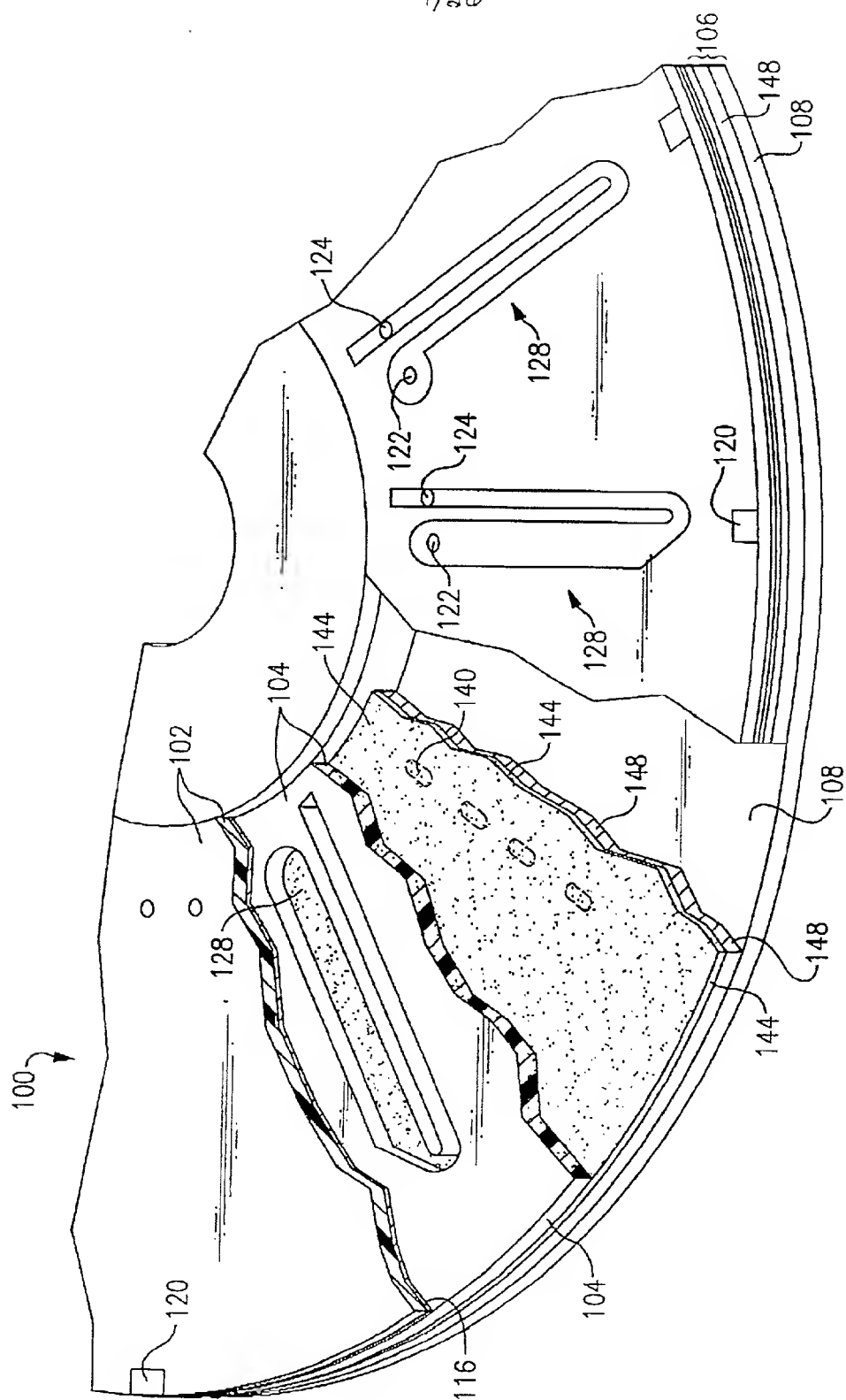
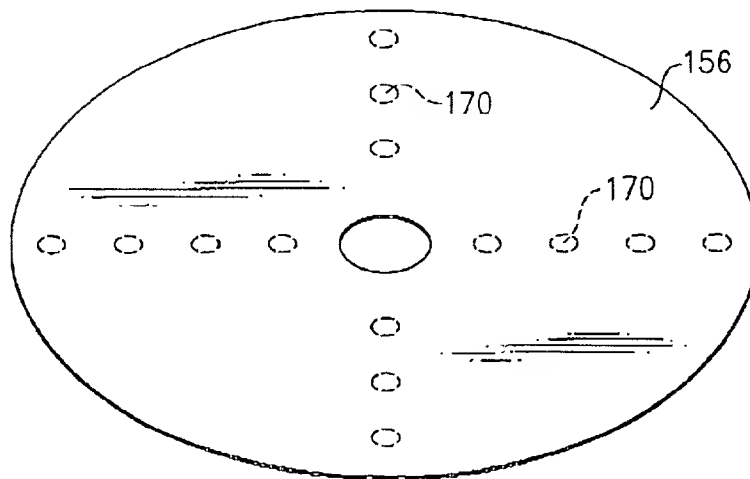
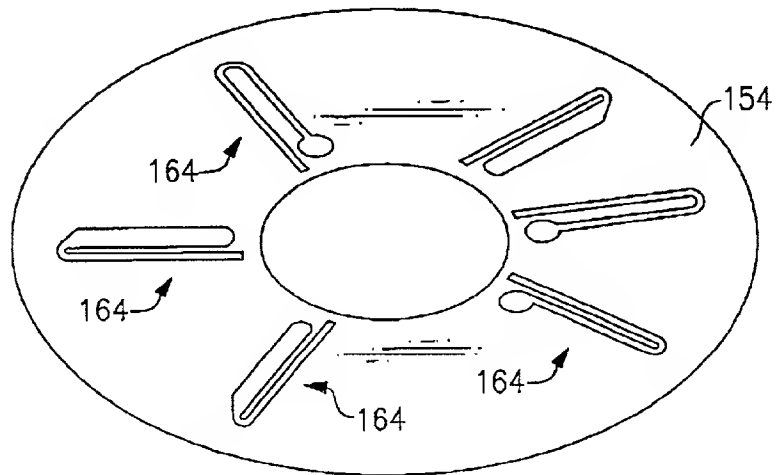
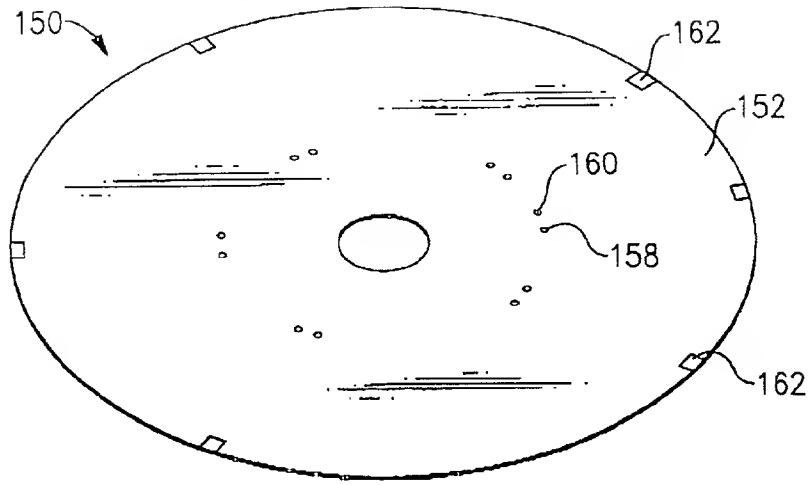
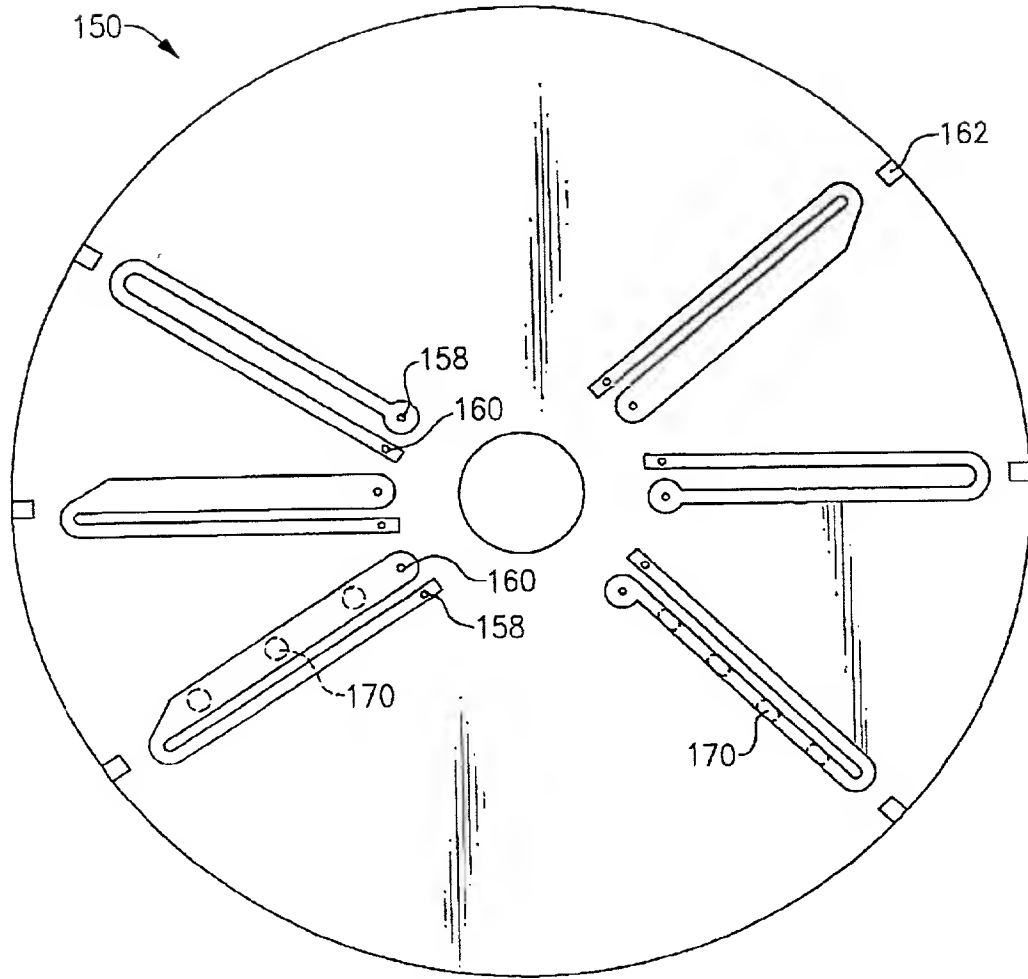


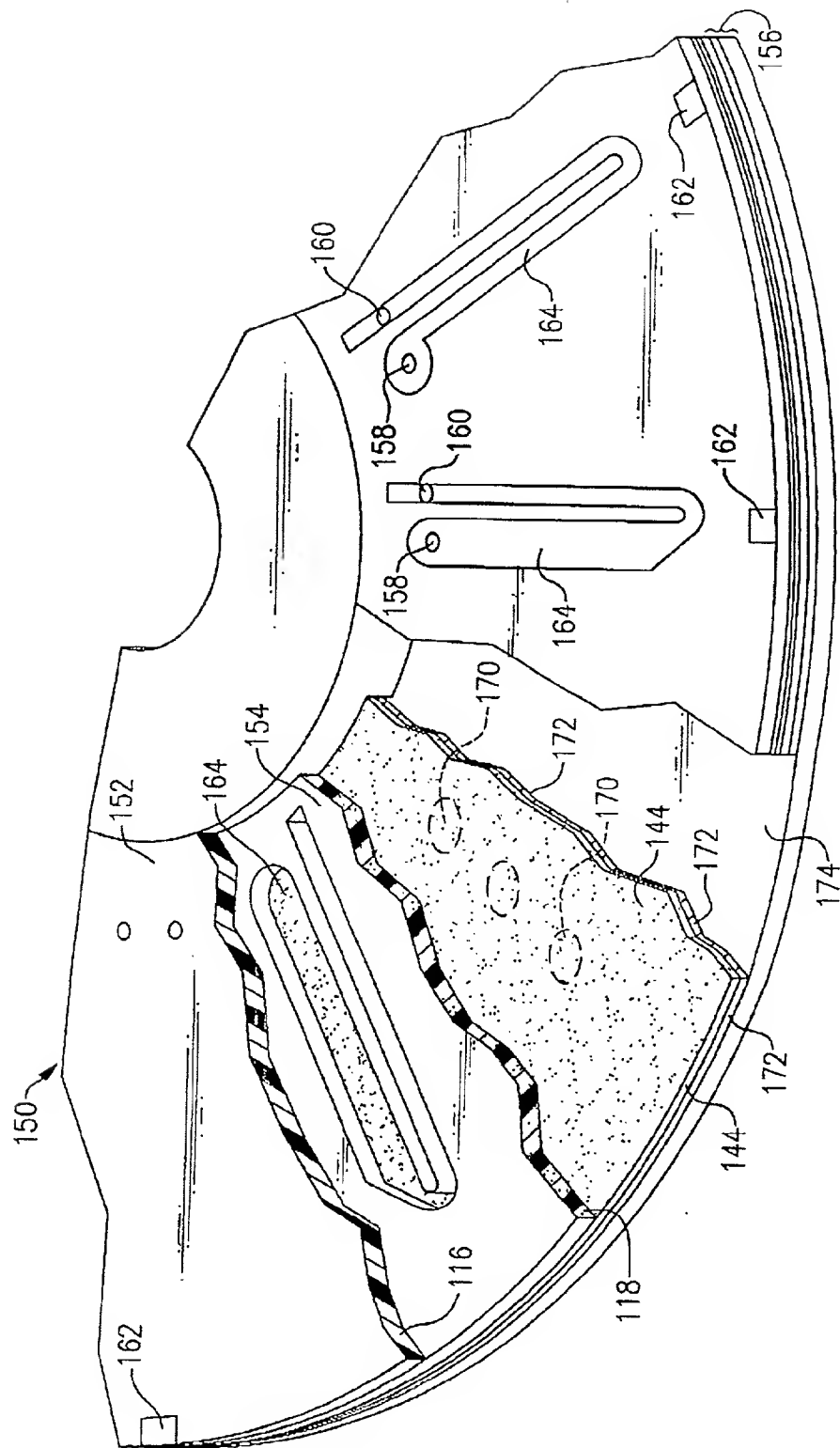
FIG. 2C

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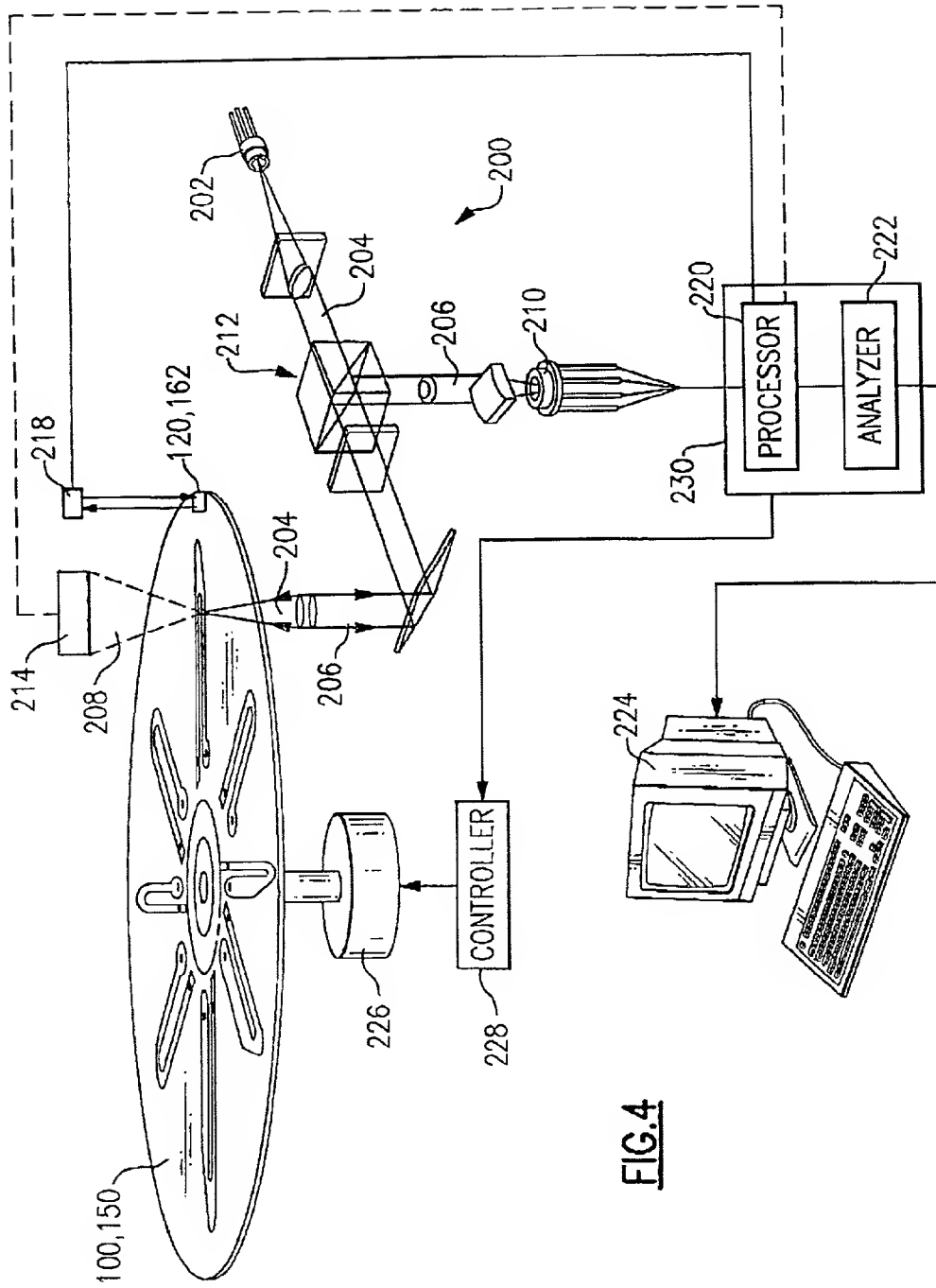
**FIG. 3A**



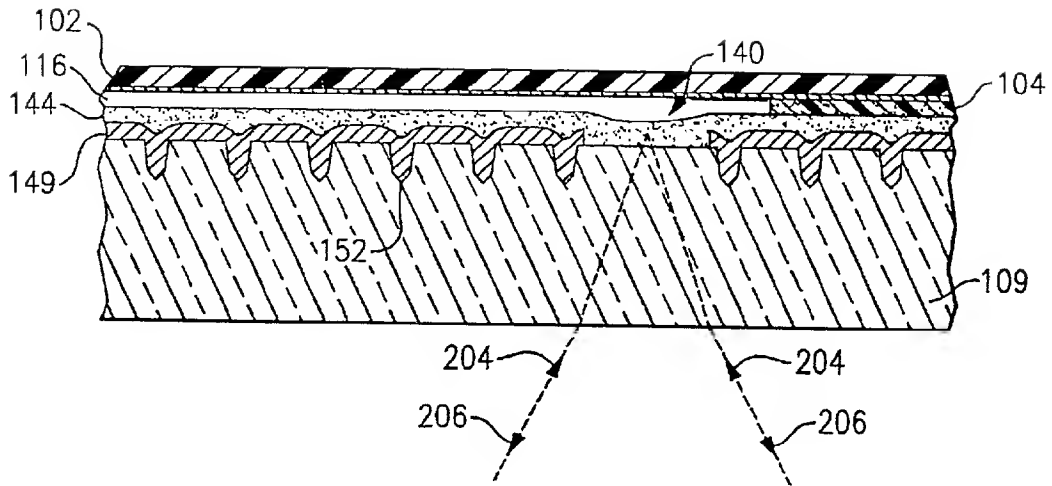
**FIG.3B**



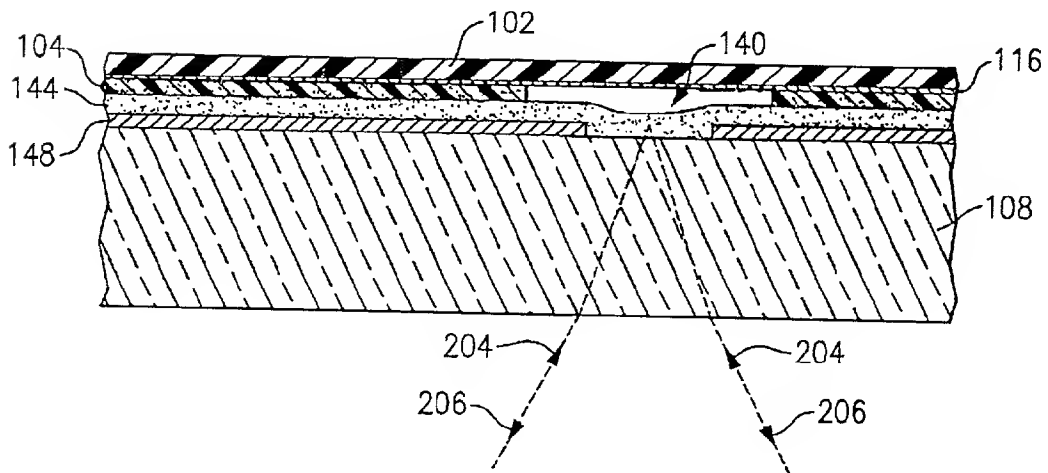
**FIG. 3C**







**FIG.5**



**FIG.6**

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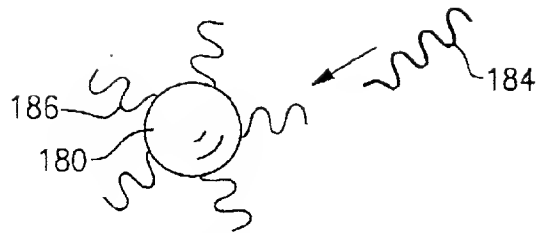


FIG. 7



FIG. 8

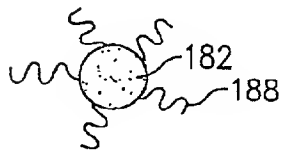


FIG. 9

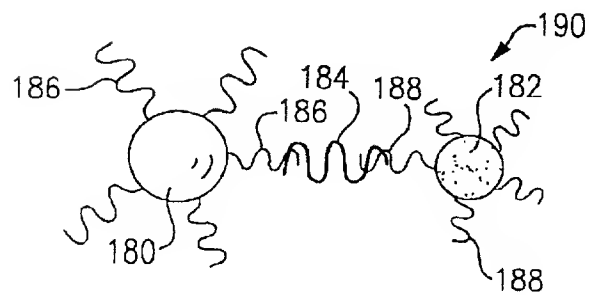


FIG. 10

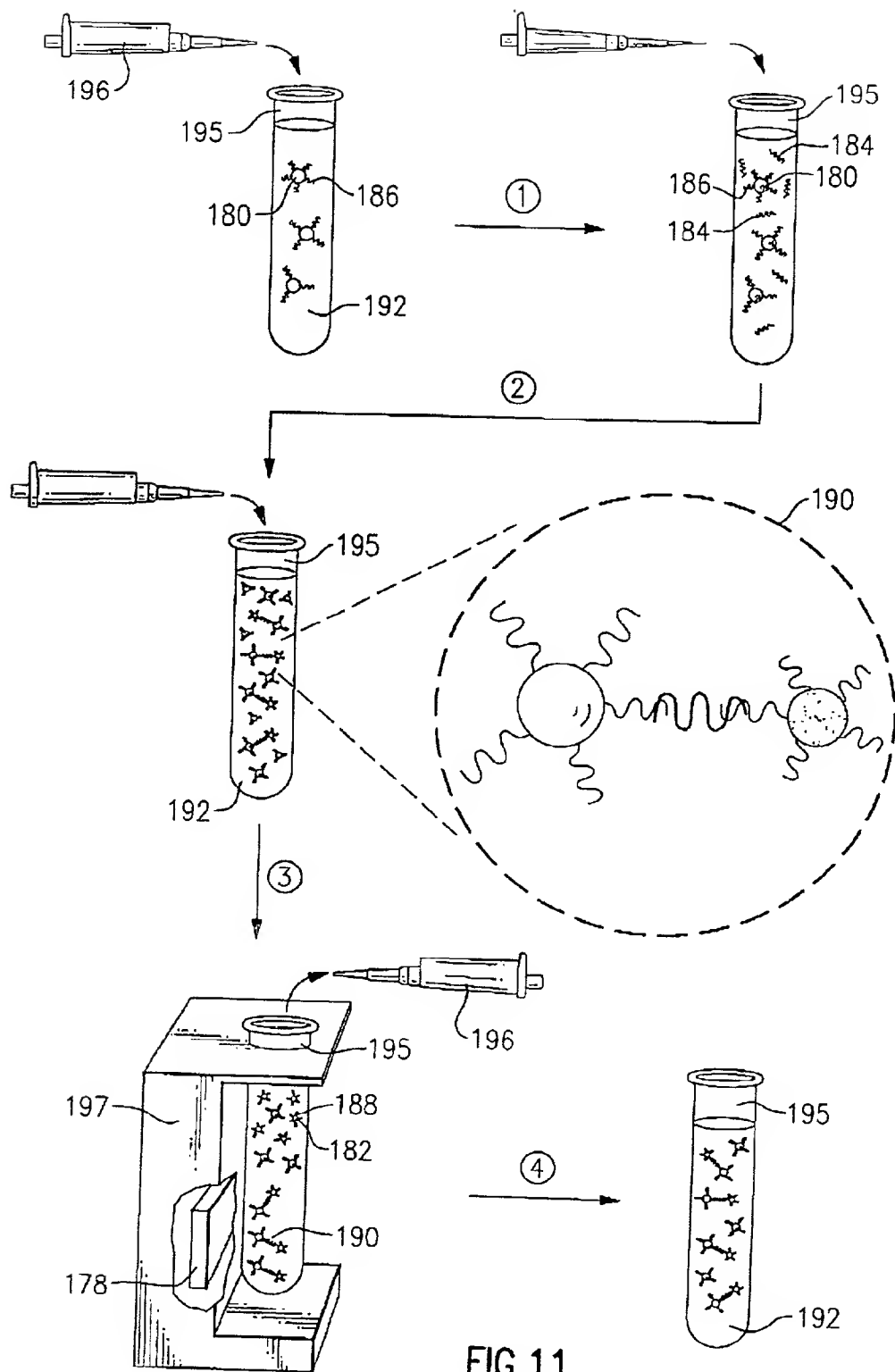
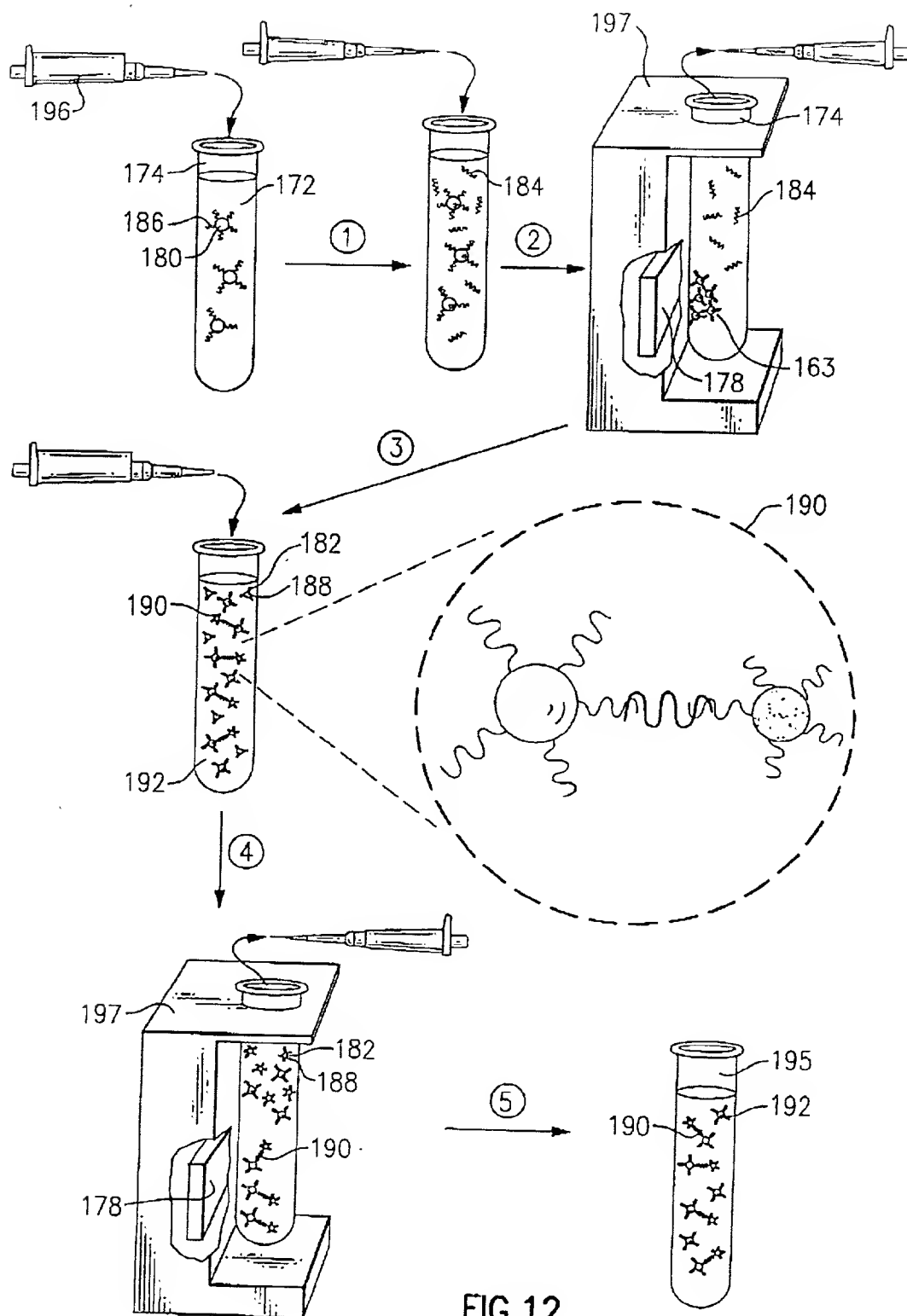
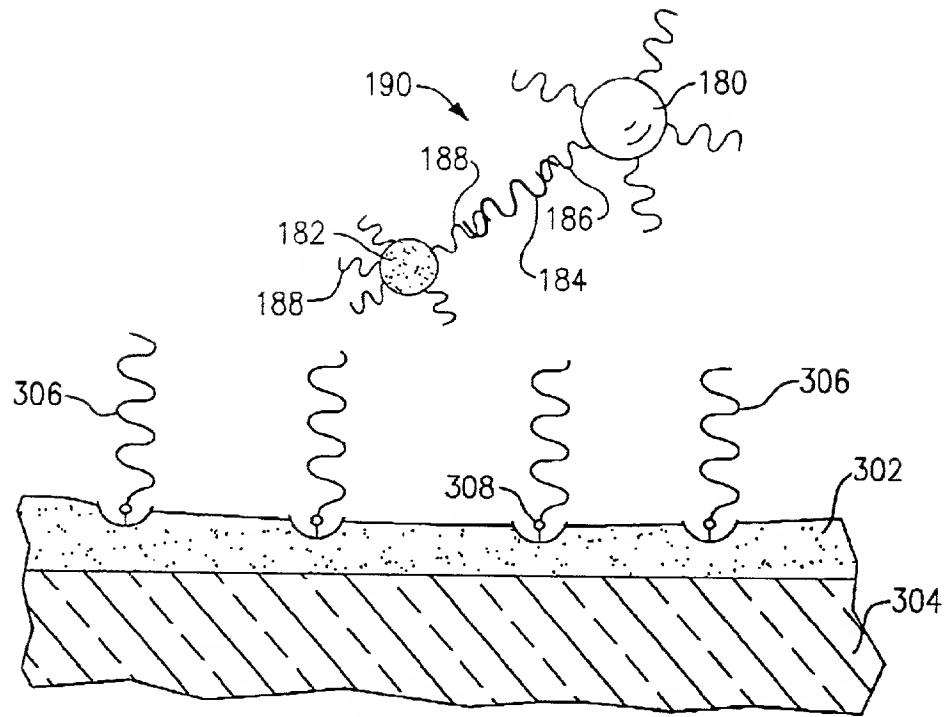
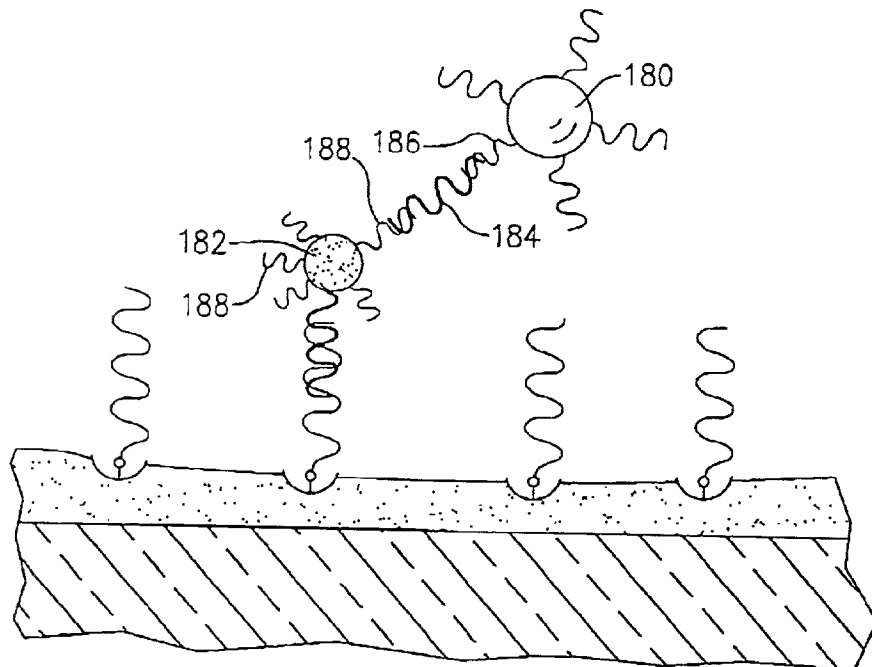


FIG. 11

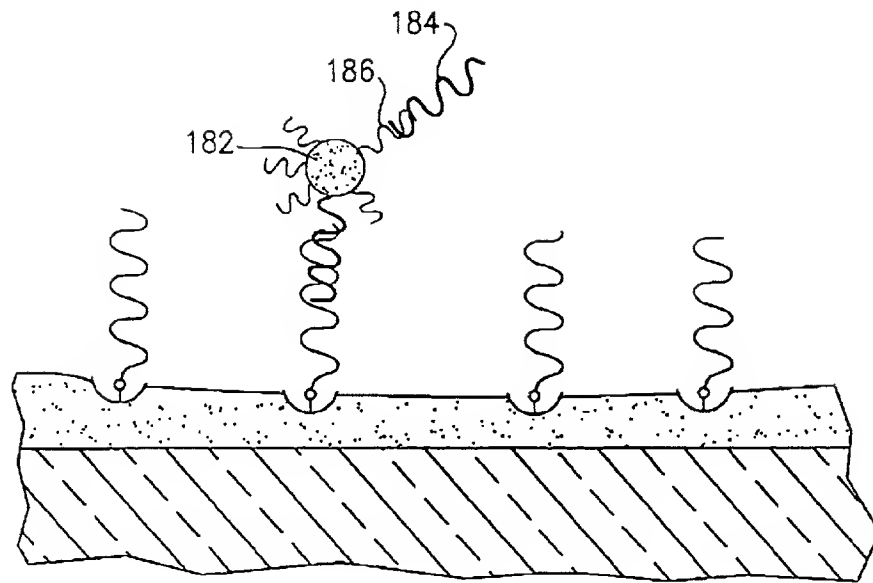




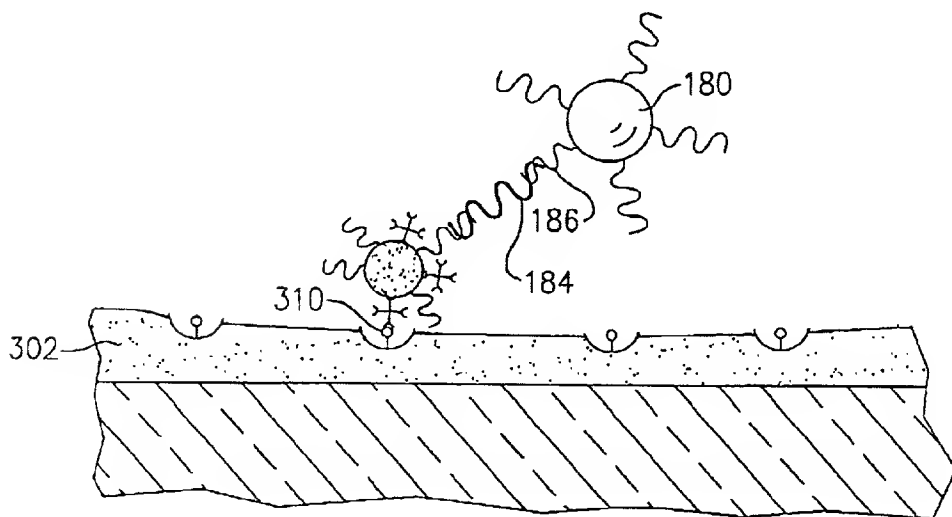
**FIG. 13A**



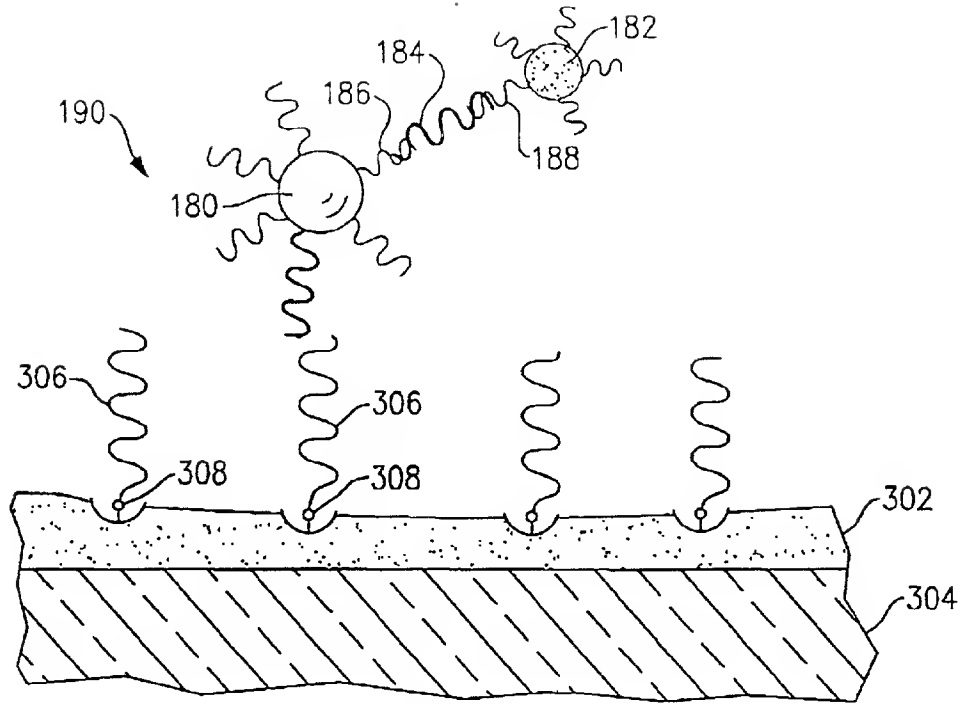
**FIG. 13B**



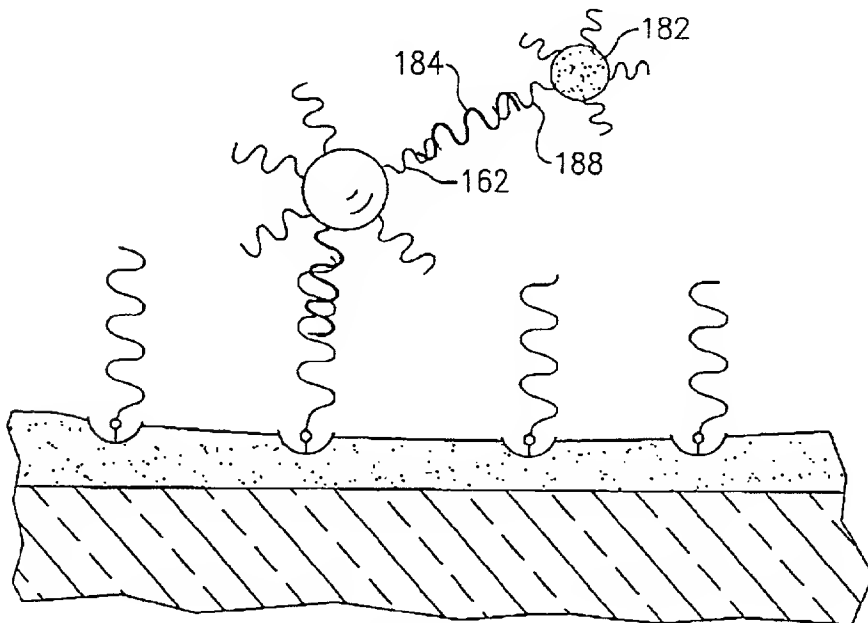
**FIG. 13C**



**FIG. 13D**



**FIG. 14A**



**FIG. 14B**

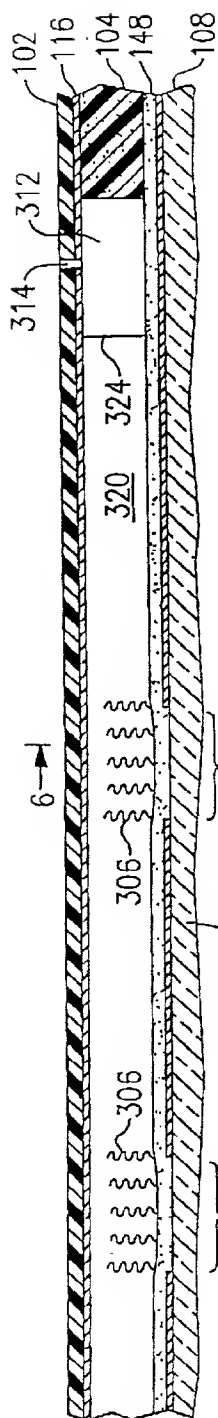


FIG. 15A

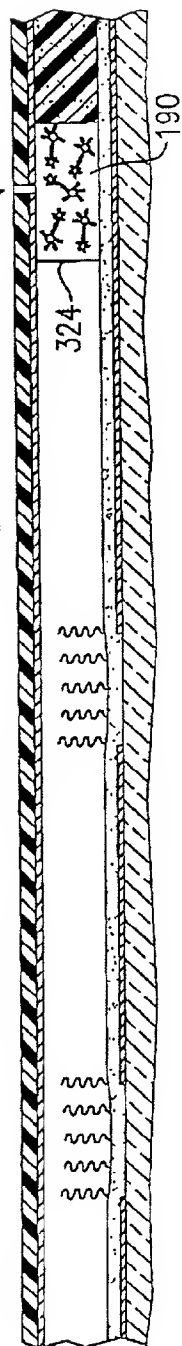


FIG. 15B

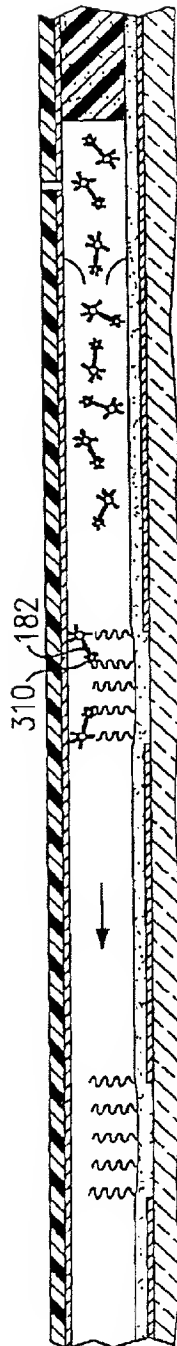


FIG. 15C

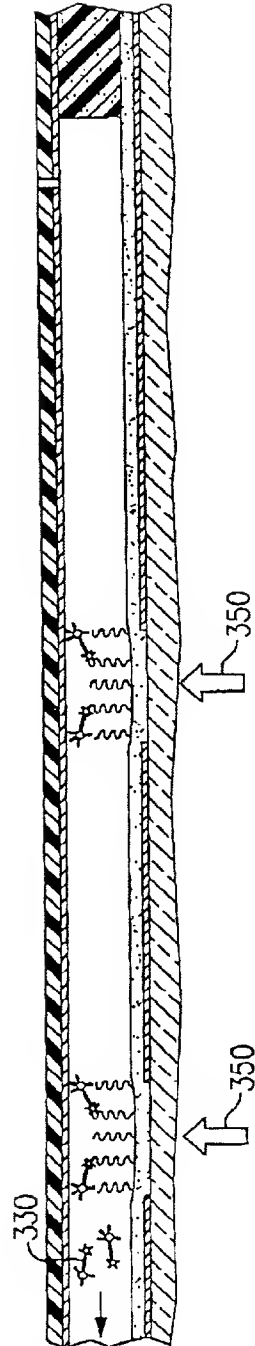
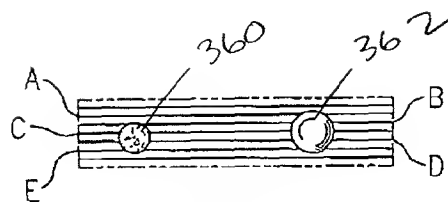
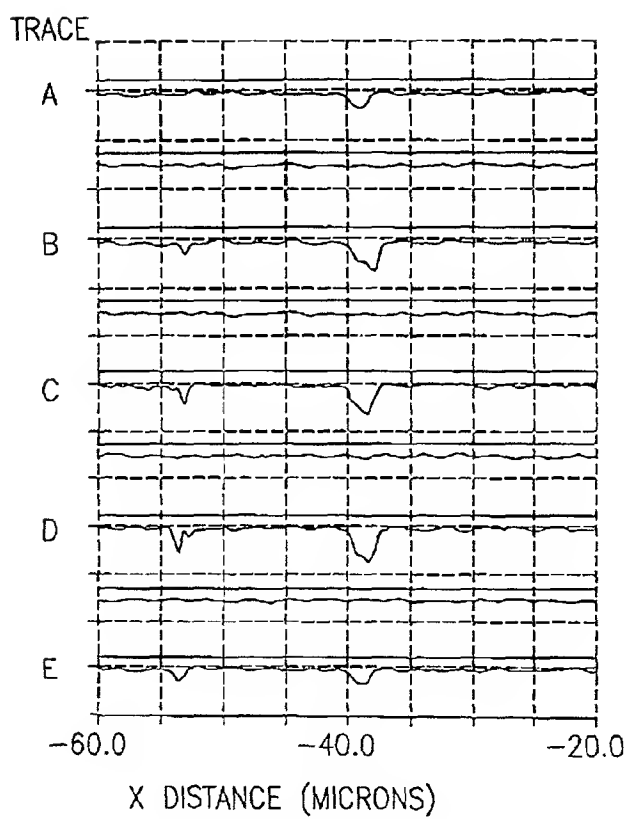


FIG. 15D





**FIG.16A**



**FIG.16B**

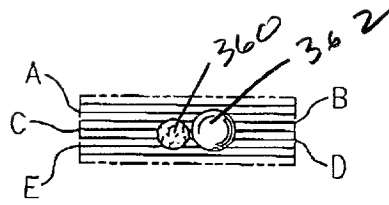


FIG.17A

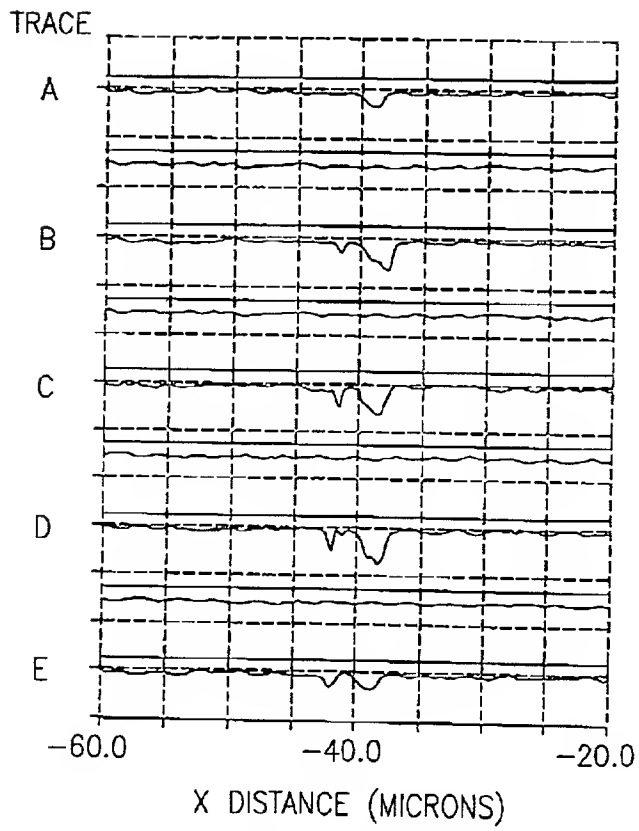


FIG.17B

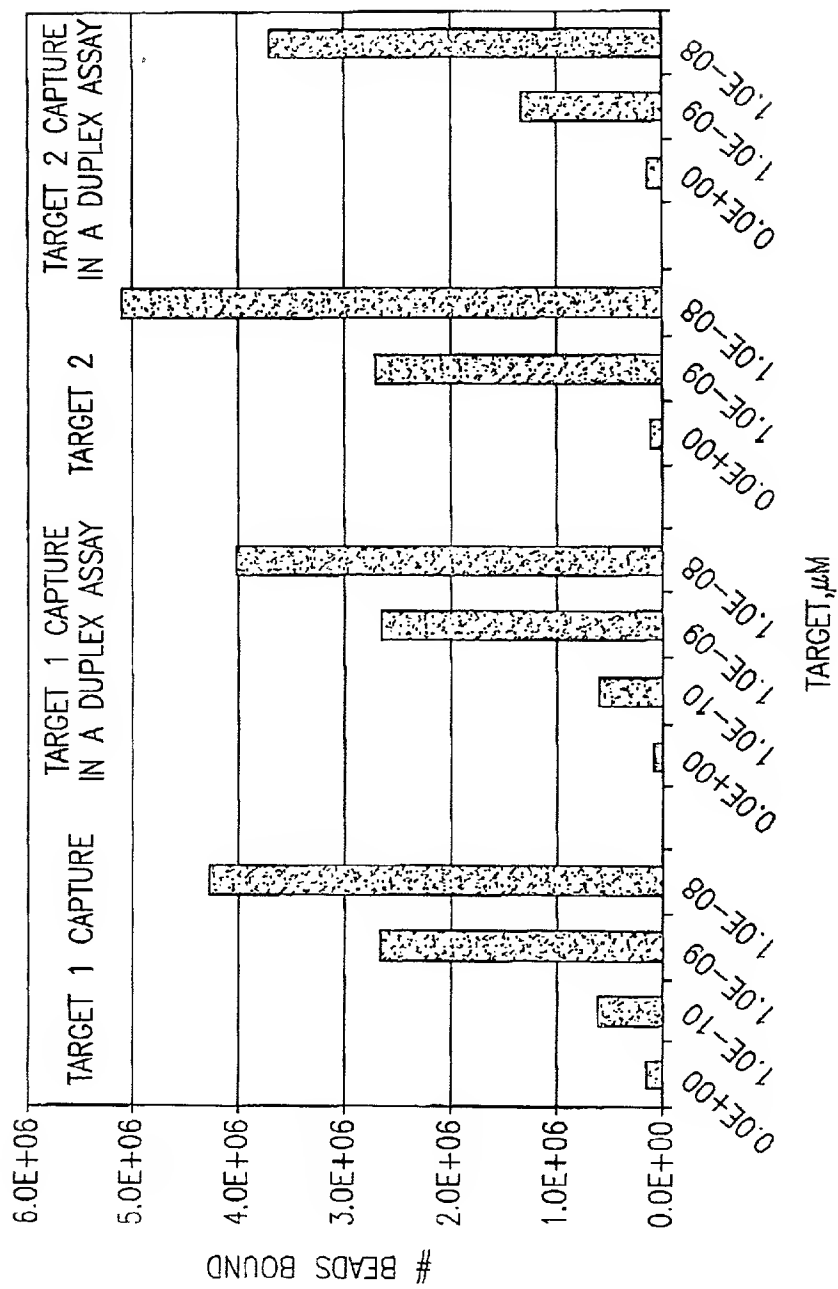
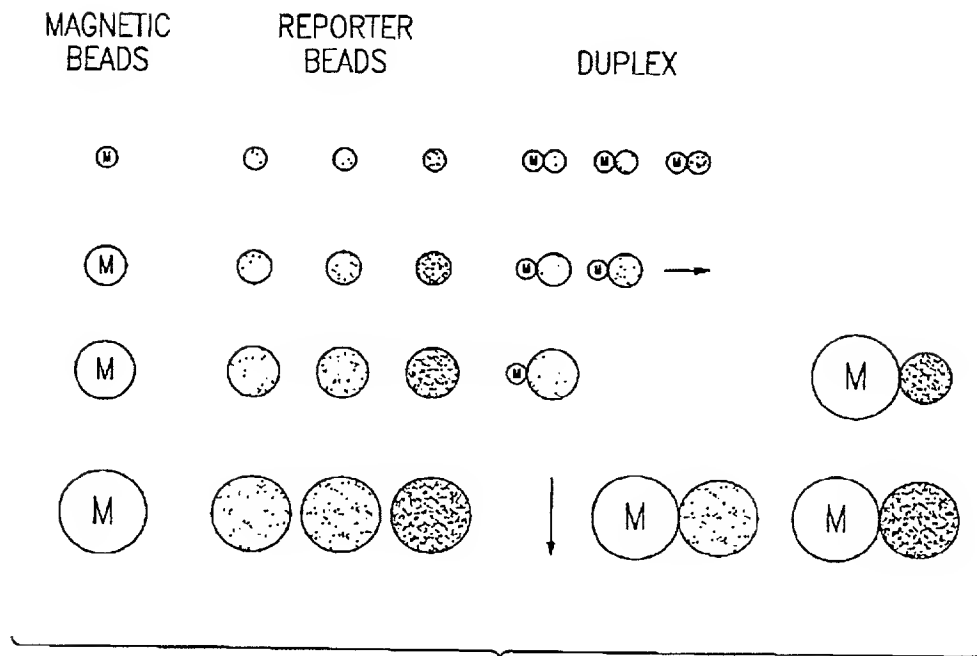


FIG.18

## DUAL BEAD ASSAY MULTIPLEXING



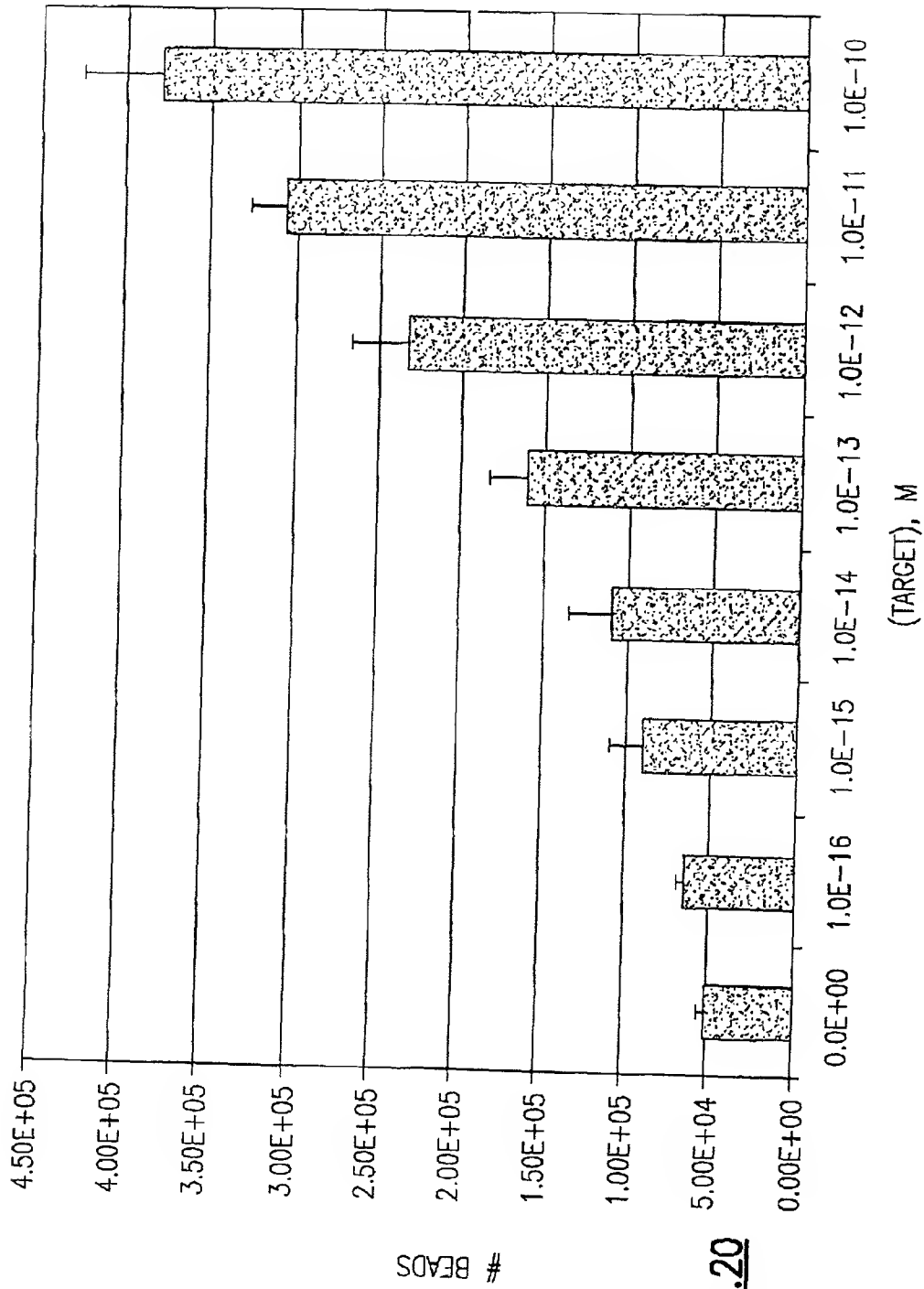
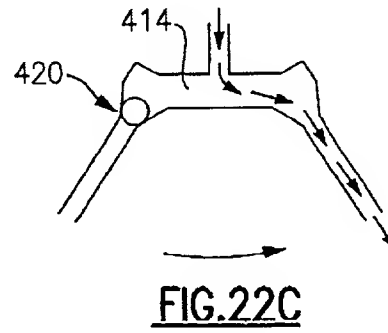
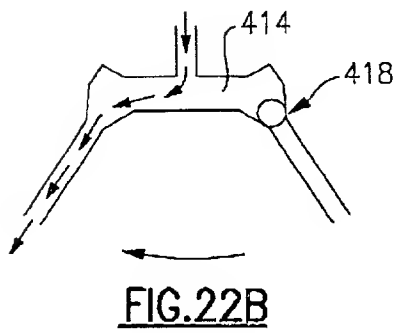
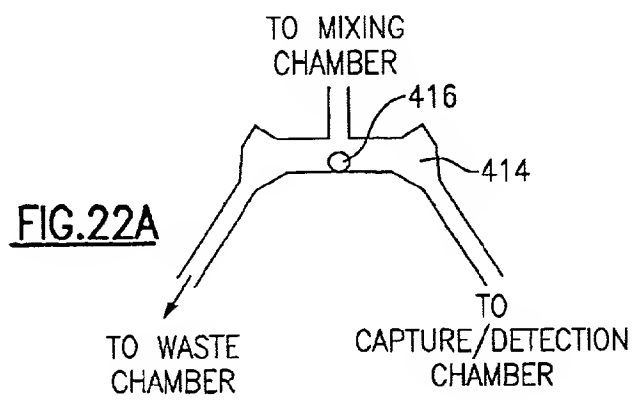
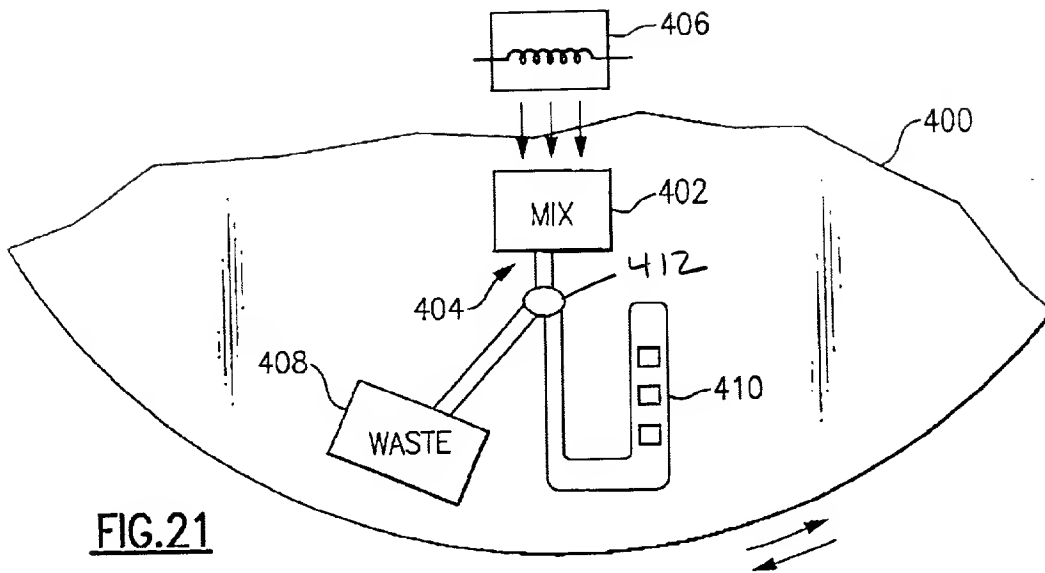
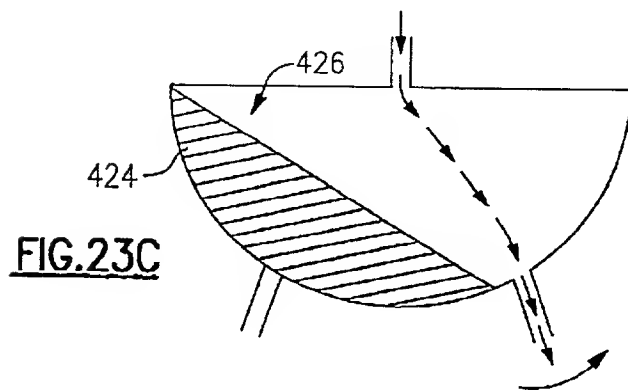
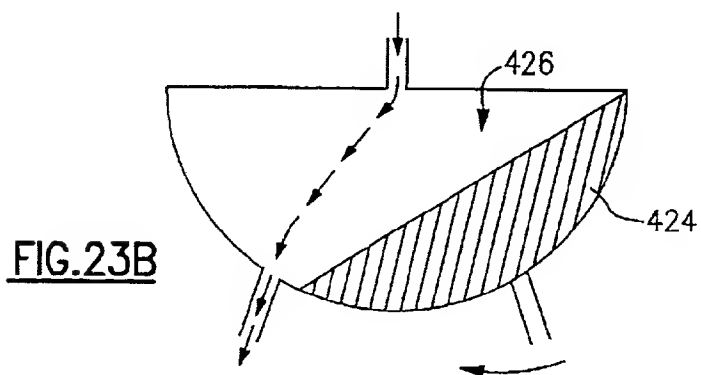
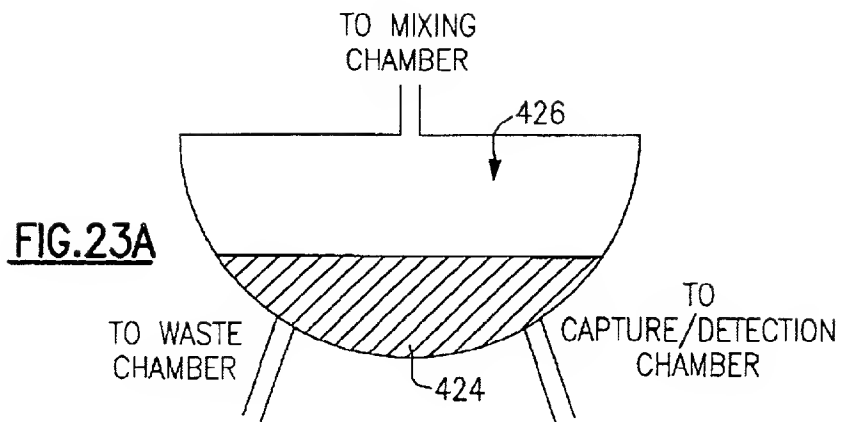
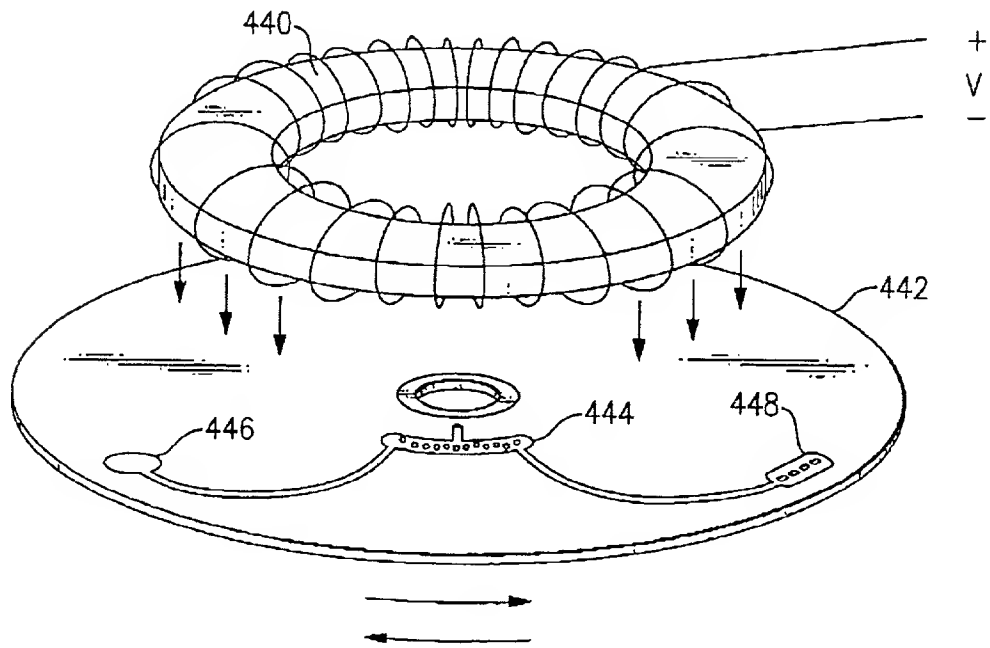


FIG. 20





FIG.24



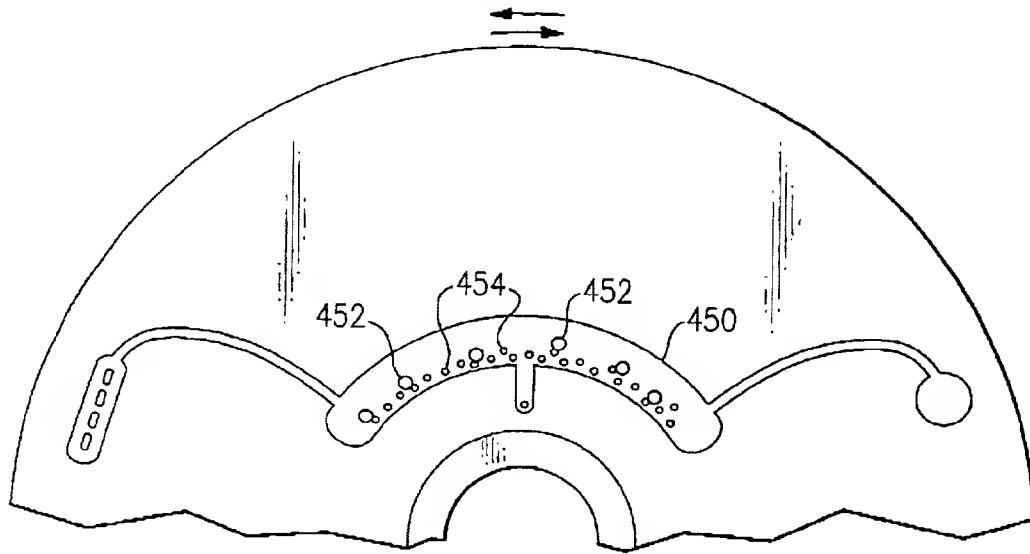


FIG. 25A

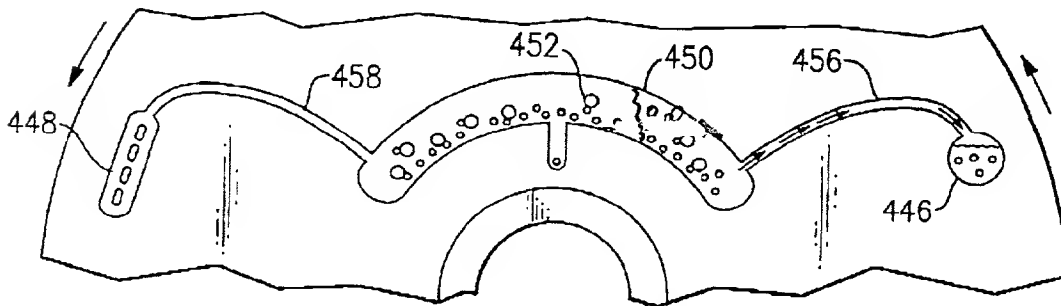


FIG. 25B

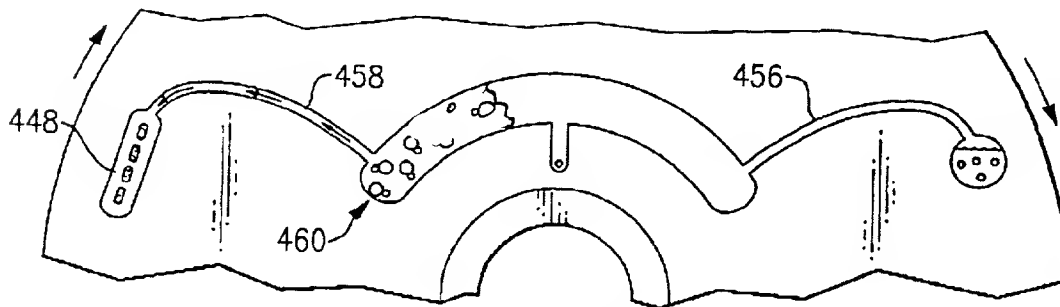
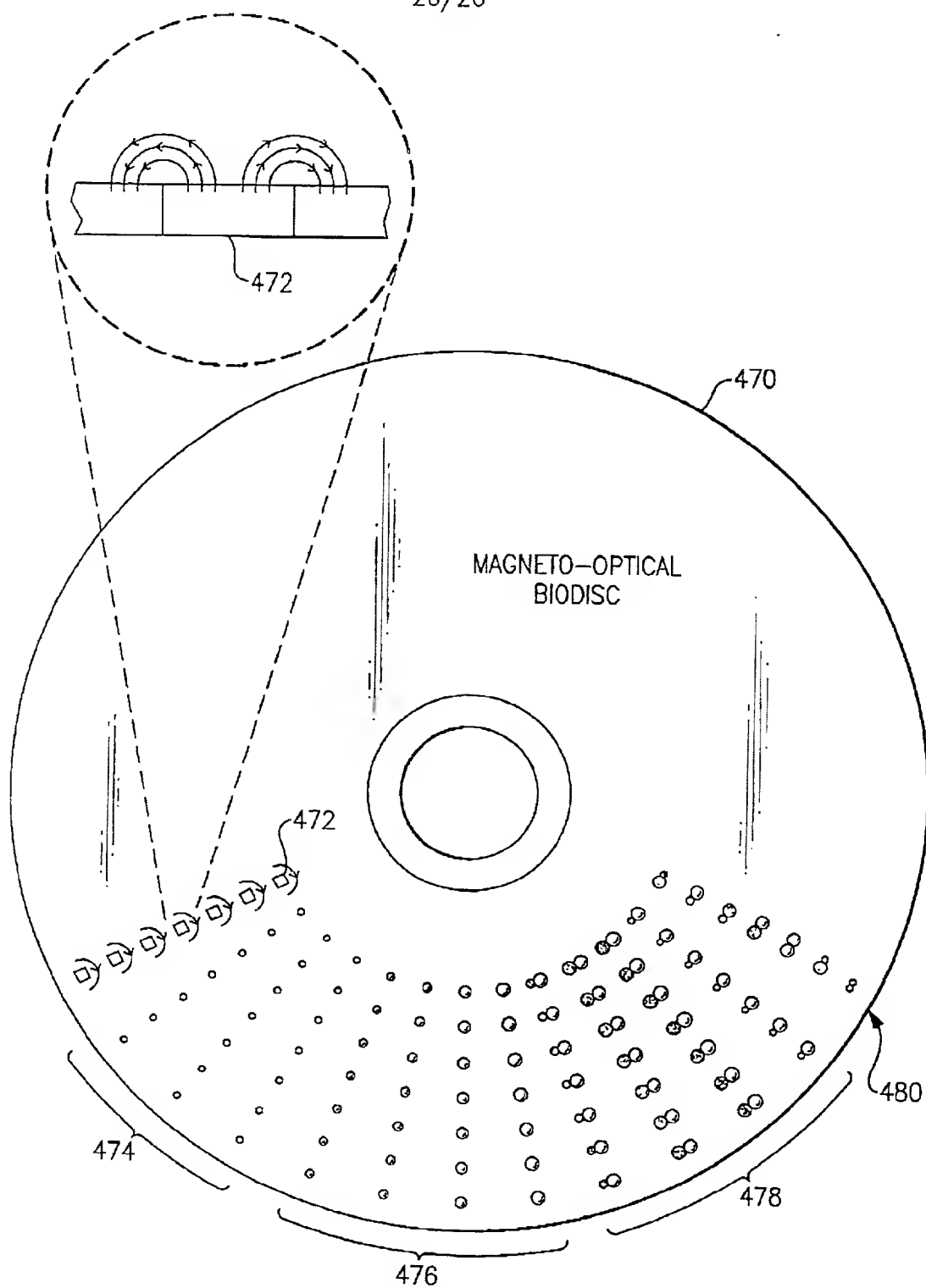


FIG. 25C



**FIG.26**